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1	BRS	1	709/246.ccls. and 715/540.ccls.
2	BRS	415	709/246.ccls.
3	BRS	78	715/540.ccls.
4	BRS	3801	(715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.
5	BRS	1571	((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replace or delete or omit)
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7	BRS	266	((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content)
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11	BRS	219	(((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content)) and internet) or (((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content)) and (parameter or attribute)))
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14	BRS	88	(((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content)) and internet) or (((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content)) and (parameter or attribute))) and (file or document) near2 (process\$4 or modify\$4)
15	BRS	1	5951300.pn.
16	BRS	35	universal near2 messaging
17	BRS	1	5787449.pn.
18	BRS	1	5765177.pn.

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19	BRS	476	(replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content) same (parameter or attribute)
20	BRS	8256	(replac\$4 or delet\$4 or omit\$4 or swap\$4) near2 (section or portion or content) and (parameter or attribute)
21	BRS	4	5530852.pn. or 5541911.pn. or 5951300.pn. or 5887133.pn.
22	BRS	1	6,375,469.pn.

Brown et al.

[45] Date of Patent: Mar. 23, 1999

[54] SYSTEM AND METHOD FOR MODIFYING DOCUMENTS SENT OVER A COMMUNICATIONS NETWORK

[75] Inventors: Stephen J. Brown; Konstantin Othmer, both of Mountain View, Calif.

[73] Assignee: Health Hero Network, Mountain View, Calif.

[21] Appl. No.: 784,270

[22] Filed: Jan. 15, 1997

[51] Int. Cl.⁶ G06F 13/38; G06F 15/17

[52] U.S. Cl. 395/200.3; 395/200.36; 707/911; 707/540

[58] Field of Search 395/200.33, 200.36, 395/200.47, 200.48, 200.5; 707/203, 500, 511, 501, 515, 911, 540

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Primary Examiner—Mark H. Rinehart

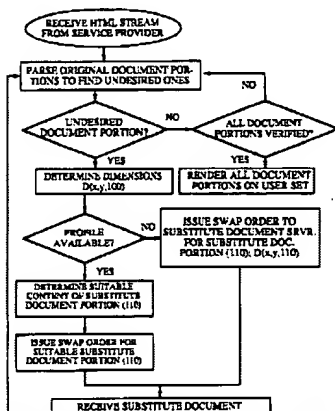
Assistant Examiner—Marc D. Thompson

Attorney, Agent, or Firm—Lumen Intellectual Property Services

[57] ABSTRACT

A system and method applied to a communications network which transmits document portions in which an original document portion having an identifier portion and an information portion is replaced or swapped with a substitute document portion. The system has a controller, typically a proxy server, for reading the identifier portion of the original document portion, determining the information portion of the original document portion, and issuing a swap order when an undesired original document portion is found. A substitute document server receives the swap order and sends the substitute document portion to the controller. A swapping device or mechanism inserts the substitute document portion in place of the original document portion and the substitute document portion is passed on to the user set and displayed. The controller and swapping mechanism can be integrated with the user set or with the resources of the service provider and their functionality can reside in software.

30 Claims, 6 Drawing Sheets



Document No.	Page	Current	Current XR	S	PT
32	US 6205475	47	709/218	709/203	
33	US 6199100	69	709/203	709/310	
34	US 6199081	23	715/513	707/6	
35	US 6195681	41	709/203		
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38	US 6175843	13	715/513		
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42	US 6138272	23	717/142	709/200	
43	US 6131088	35	705/27	705/26	
44	US 6119136	25	715/513		
45	US 6088803	11	713/201	709/203	
46	US 6088702	22	707/103	345/733	
47	US 6081788	40	705/14	370/429	
48	US 6061697	52	715/513	707/203	
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57	US 5958005	15	709/202	380/51	
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80	US 5628008	24	715/513		
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6611840 B1	20030826	89	Method and system for removing content entity	707/102	707/1; 707/100;		Baer, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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